|           |          |             |           |   |  |          |          |          |          |          |                              |              |           | 10/658,652 |                  |          |          |           |          |             |          |           | <u> </u> | YUASA ET AL. |               |          |                 |          |           |           |              |           |     |
|-----------|----------|-------------|-----------|---|--|----------|----------|----------|----------|----------|------------------------------|--------------|-----------|------------|------------------|----------|----------|-----------|----------|-------------|----------|-----------|----------|--------------|---------------|----------|-----------------|----------|-----------|-----------|--------------|-----------|-----|
| .         | .        |             |           |   |  |          |          |          |          |          |                              |              |           | E          | Examin r         |          |          |           |          |             |          |           |          | A            | Art Unit      |          |                 |          |           |           |              |           |     |
| <u>II</u> |          |             |           |   |  |          |          |          |          |          |                              |              |           |            | Chandrika Prasad |          |          |           |          |             |          |           | 2839     |              |               |          |                 |          | <u> </u>  |           |              |           |     |
|           | ſ        |             |           |   |  |          | 1        |          | Г        | T        | /T                           | hrou         | ah r      |            |                  | all      |          |           | П        |             | _        |           |          | 1            | Г             | Т        |                 |          |           |           | 7            |           |     |
|           |          | √ Rejct d _ |           |   |  |          |          |          |          | L        | (Through num ra<br>Cancell d |              |           |            |                  |          |          |           |          | N Non       |          | -Elected  |          | ]            | Α             |          | Appeal          |          |           |           |              |           |     |
|           | l        | =           | Allowed + |   |  |          |          |          |          |          | Restricted                   |              |           |            |                  |          | l Int    |           |          | nterference |          |           |          | 0            |               | Objected |                 |          |           |           |              |           |     |
| Clain     |          | <u>ر</u>    |           |   |  | Dat      | e        | _        | _        | _        | ]                            | Claim        |           |            | Date             |          |          | -         | _        | _           |          | C         | Claim    |              | Date          |          |                 | _        |           | ]         |              |           |     |
| "         | 2        | à           |           |   |  | İ        |          |          |          |          |                              | 70           | 쿌         | İ          |                  |          |          |           |          |             |          |           | <u></u>  | <u> 5</u>    |               |          |                 |          |           |           |              |           |     |
| Final     | Original | 24 1/24/02  |           |   |  |          |          |          |          |          |                              | Final        | Original  |            |                  |          |          |           |          |             |          |           | Final    | Original     |               |          |                 |          |           |           |              |           |     |
|           | $\Box$   | Z           |           |   |  |          |          | L        | L        | L        | 1                            |              | 51        |            |                  |          |          |           |          |             | ⇉        | $\exists$ |          | 101          |               | L        |                 |          | $\exists$ | $\exists$ | 士            | 士         | j   |
| <i> </i>  | 2<br>3)  | ¥           | _         | _ |  | -        | -        | ┡        | ╀        | ┞-       | 1                            | ├—           | 52<br>53  | L          | L                | <u> </u> | Щ        | _         | Н        | 4           | 4        | Щ.        |          | 102          | L             | $\perp$  | Ш               | $\Box$   | $\Box$    | $\Box$    | 4            | Ţ         | 7   |
|           | 4        | Ñ           | _         | Н | H  | ┢        | H        | ╁        | ╁        | ┢        | ┨                            | ┝            | 54        | ┝          | $\vdash$         |          | Н        | Н         | Н        | +           | ᅥ        | $\dashv$  | -        | 103<br>104   | ⊢             | ╁        | Н               | H        | ┥         | $\dashv$  | $\dashv$     | +         | 4   |
|           | 5        | IJ          |           |   |  |          |          |          | L        |          | 1                            |              | 55        |            |                  |          |          |           |          | ∃           | ╛        |           |          | 105          | Ħ             | L        |                 |          |           | $\top$    | 1            |           | 1   |
|           | 6        | :[          |           | _ | L  | L        | _        | L        | L        |          | ]                            |              | 56        |            |                  |          |          |           |          |             | $\dashv$ |           |          | 106          |               |          | П               |          | $\exists$ | $\Box$    | 1            | I         | ]   |
|           | 7<br>8   | Ŋ           | _         | _ | ┢  | -        | _        | ├        | ┝        | ┢        | ┨                            |              | 57<br>58  | $\vdash$   | H                | H        | Н        | _         | Н        | $\dashv$    |          | $\dashv$  | -        | 107<br>108   | ┞             | $\vdash$ | Н               | $\dashv$ | -+        | $\dashv$  | 4            | +         | 4   |
|           | 9        |             |           |   | T  |          |          | T        |          |          | 1                            |              | 59        |            | ┪                | H        | Н        | Т         | H        | $\dashv$    | ᅥ        | $\dashv$  | -        | 109          | ╁             | T        | Н               | H        | $\dashv$  | +         | $\dagger$    | $\dagger$ | ┪   |
|           | Q        | L           | ľ         |   |  |          |          |          |          |          | ]                            |              | 60        |            |                  |          |          |           |          | $\Box$      | $\Box$   | $\Box$    |          | 110          |               |          |                 |          | _         | 1         | 1            |           | 1 , |
|           | 1 2      | -           | _         | H | ┞  | ┝        | H        | ┡        | ╀        | ┝        | ┨                            | ├            | 61<br>62  |            | H                |          | ш        | _         | $\dashv$ | +           | ┥        |           | -        | 111          | ļ.            | ├-       | Н               | $\dashv$ | -         | -+        | 4            | +         | ]   |
|           | 3        |             | -         | _ |  | ┢        | ┪        | ╁        | H        | ╁        | 1                            | <del> </del> | 63        |            |                  | Н        | Н        |           | $\dashv$ | $\dashv$    | ┪        | $\forall$ | <b> </b> | 112          | ┢             | ╁        | ┞╌┤             | $\vdash$ | +         | +         | +            | +         | 1   |
|           | 14       |             |           |   |  |          |          |          | Г        |          | 1                            |              | 64        |            |                  |          |          |           |          | $\Box$      | ⊡        |           |          | 114          |               |          |                 |          |           |           |              |           | 1   |
|           | 15<br>16 | 4           |           |   | L  | L        | ┡        | L        | ┡        | ┡        |                              | <u> </u>     | 65        | L          | L                |          | Ш        | _         |          | $\dashv$    | _        | _         | <u> </u> | 115          | L             |          | Ш               | $\dashv$ | _         | 4         | 4            | 1         | 1   |
|           | 17       | 닉           |           | _ | ╁  | $\vdash$ | ┢        | ╁        | ╁        | ┝        | 1                            | ┢            | 66<br>67  | -          | ┝                |          | Н        | _         | $\dashv$ | +           | ┥        | $\dashv$  | -        | 116<br>117   | ┝             | ╁╌       | Н               | Н        | $\dashv$  | $\dashv$  | +            | +         | -{  |
| 1         | 18       |             |           |   |  |          |          | L        | L        | L        | 1                            |              | 68        |            |                  |          |          |           |          |             |          | ]         |          | 118          |               |          | Н               |          | 寸         | $\top$    | 1            |           | 1   |
|           | 9        |             |           | Ш | L  |          | L        | L        | L        | L        |                              |              | 8         |            | Ц                |          |          |           | Ц        | $\Box$      | $\dashv$ |           |          | 119          |               |          | П               |          | $\Box$    | $\perp$   | 4            | T         | ]   |
|           | 20<br>21 |             |           | ⊢ | ┞  | ⊢        | ┢        | ┝        | ╀        | ┝        | 1                            | -            | 70<br>71  | H          | H                |          | <u> </u> | _         | Н        | ┥           |          | Н         | -        | 120          | ┞             | ╀        | Н               | Н        | $\dashv$  | +         | +            | +         | 4   |
|           | 22       |             |           | _ | ╁  | -        | H        | ┢        | H        | 十        | 1                            | <b>-</b>     | 72        | Н          | Н                |          | -        |           | $\dashv$ | -           | ᅥ        | Н         | -        | 122          | H             | ╁╴       | Н               | $\dashv$ | ┪         | ╅         | ┪            |           | -   |
|           | 23       |             |           |   |  |          |          | Г        |          | L        | ]                            |              | 73        |            | Ш                |          |          |           |          | $\Box$      |          |           |          | 123          |               |          |                 | $\Box$   | $\Box$    | 丁         | 1            |           | 1 . |
|           | 24<br>25 | _           |           | H | ⊢  | ┡        | ⊢        | ╀        | ╂-       | ╀        | -                            |              | 74<br>75  | -          | Н                | H        |          |           | Н        | $\dashv$    | $\dashv$ | $\dashv$  | -        | 124<br>125   | ⊢             | 1        | Н               | -        | -         | ┵         | +            | +         | -{  |
|           | 26       |             |           | _ | H  | H        | $\vdash$ | ┢        | H        | ┢        | 1                            |              | 76        | ╁          | Н                | Н        | Н        | _         | Н        | $\dashv$    | $\dashv$ | $\dashv$  | -        | 126          | ╁             | $\vdash$ | Н               | $\dashv$ | -+        | +         | +            | +         | -   |
|           | 27       |             |           |   | Г  |          |          | L        | L        |          | ]                            |              | 77        |            | П                | П        |          |           |          |             |          |           |          | 127          |               |          |                 |          |           | $\Box$    | $\Box$       |           | ]   |
|           | 28<br>29 |             |           | _ | H  | ┞        | ⊢        | ┞        | ┞        | ┝        | 1                            | <u> </u>     | 78<br>79  | H          | _                | H        | Н        | _         |          | -           | $\dashv$ | _         | -        | 128<br>129   | ┞-            | ╀        | Н               | $\dashv$ | 4         | +         | 4            | +         | 4   |
|           | 30       | $\dashv$    |           | _ | H  | H        | ┢        | ╁╴       | H        | H        | 1                            | $\vdash$     | 80        | ┢          | ┢                | H        |          | _         | $\vdash$ | ┪           | ┥        | $\dashv$  | -        | 130          | ┝             | $\vdash$ | H               | $\dashv$ | -+        | 十         | +            | +         | -   |
| 3         | 31       |             |           |   |  |          |          |          |          |          | ]                            |              | 81        |            |                  |          |          |           |          |             |          |           |          | 131          |               |          |                 |          |           | 士         |              | 土         | 1   |
|           | 32<br>33 |             | Ц         | _ | <u> </u>   | ┡        | L        | L        | ┞        | ┞-       |                              |              | 82        | Ш          | _                |          | Ц        |           | $\dashv$ | -           | 4        | 4         |          | 132          | <u>_</u>      | $\vdash$ | Щ               | $\dashv$ | _         | _         | 4            | 4         | 4   |
|           | 띩        | $\dashv$    | -         |   | ┢  | $\vdash$ | $\vdash$ | ┢        | ╁╴       | -        | 1                            |              | 83<br>84  | $\vdash$   | $\vdash$         | _        | Н        |           | $\dashv$ | ᅱ           | ᅱ        | $\dashv$  | -        | 133          | ┢╌            | -        | ┞╢              | $\dashv$ | ┰         | ┽         | ┽            | ╫         | -{  |
| 3         | 35       |             |           |   |  |          |          |          | İ        |          | 1                            |              | 85        |            |                  |          |          |           |          | $\exists$   |          |           |          | 135          |               |          | H               | 7        | $\exists$ | 十         | +            | ╅         | 1   |
|           | 36<br>37 | _           | _         |   | L  | L        | L        | ┞        | ┡        | -        | 1                            |              | 86        |            |                  | Ш        | Н        |           |          | _           | $\Box$   | _         |          | 136          | $oxed{oxed}$  | Н        |                 | $\Box$   | _         | $\Box$    | $\downarrow$ | $\perp$   | ]   |
|           | 8        | $\dashv$    | ┪         |   | Н  | $\vdash$ | ┝        | ┢        | ┝        | ╁        | 1                            |              | 87<br>88  | $\vdash$   | -                | _        | Н        | -         | $\dashv$ | -           | +        | $\dashv$  | $\vdash$ | 137          | ⊢             | $\vdash$ | Н               | +        | ┪         | ┰         | +            | ╬         | -{  |
| 3         | 19       |             |           |   |  |          |          | Ħ        |          |          | 1                            |              | 89        |            |                  |          | Н        |           | $\dashv$ | $\dashv$    | 7        | $\dashv$  |          | 139          | H             | Н        | Н               | 1        | ┪         | 十         | $^{+}$       | _         | 1   |
|           | Ю        |             |           | _ |  |          | _        |          | Ļ        | L        | ]                            |              | 90        |            |                  |          | П        | П         |          | $\Box$      | $\Box$   | $\Box$    |          | 140          |               | П        | $\Box$          |          | $\Box$    | $\Box$    | I            |           | 1   |
|           | 11<br>12 |             | -         |   | $\vdash$   | Н        | ⊢        | ╀        | ╀        | ┞        |                              | <u> </u>     | 91<br>92  | H          |                  | _        |          | _         | -        | -           | 4        |           | <u> </u> | 141          | L             |          | Н               |          | -+        | +         | 4            | 4         | 4   |
| 4         | 13       |             | _         |   |  |          |          | $\vdash$ | $\vdash$ |          | 1                            |              | 93        |            |                  | Н        | H        |           | $\dashv$ | _†          | 1        | $\dashv$  |          | 143          | <del> -</del> | $\vdash$ | H               | $\dashv$ | $\dashv$  | +         | 十            | +         | 1   |
|           | 4        |             |           |   |  |          | 匚        |          | Г        |          |                              |              | 94        |            |                  |          |          |           | $\Box$   | コ           | コ        |           |          | 144          |               | $\Box$   | 口               |          | 1         |           | $\Box$       | $\bot$    | ]   |
|           | 15<br>16 | $\dashv$    | -         |   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | ⊢        |                              |              | 95<br>96  | Н          | Н                | Н        | Н        | _         | -        | -           | 4        | $\dashv$  | -        | 145<br>146   | $\vdash$      | Н        | Н               | +        | 4         | 4         | +            | 4         | 4   |
| 4         | 17       |             |           |   | <del>                                     </del> | $\vdash$ |          | H        | $\vdash$ | $\vdash$ |                              |              | 97        | Н          | H                | Н        | Н        | $\exists$ | ┪        | $\dashv$    | ┪        | $\dashv$  | <b>—</b> | 146          | 1             | H        | $\vdash \vdash$ | +        | ┽         | +         | $\dashv$     | +         | 1   |
|           | 18       |             | $\Box$    |   |  |          |          | Г        | Г        | Г        | ]                            |              | 98        |            |                  |          |          |           | $\Box$   | _           | $\Box$   |           |          | 148          |               | $\Box$   | □               | コ        | $\Box$    | 1         | ightharpoons | 工         | 1   |
|           | 9        | -           | -         |   | $\vdash$   | $\vdash$ | -        | -        | ⊢        | ⊢        |                              | $\vdash$     | 99<br>100 | Н          | Н                | Н        | Н        | Н         |          | +           | 4        | $\dashv$  | <u></u>  | 149<br>150   | $\vdash$      | $\vdash$ | $\dashv$        | +        | -         | 4         | +            | 4         | -   |
|           |          |             |           |   |  |          |          | •        | _        | _        | ,                            |              |           |            |                  |          |          |           | 1        |             |          | _         | Щ.       | 1.30         | _             | ш        |                 |          |           | _         |              |           | J   |

Application No.

Index of Claims

Applicant(s)